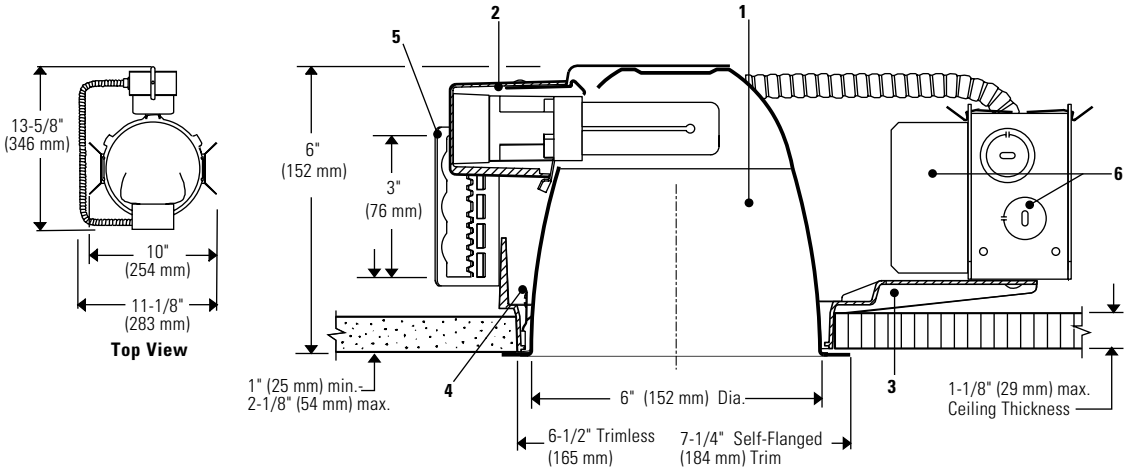
Calculite® CFL Open Downlight **8052**

6" Aperture (2) Quad Tube Horizontal Lamp



Ceiling Cutout: 6 9/16" (167 mm) Dia.

Reflector Trim		Frame-In Kit			Lamp
8052CLW	Clear Iridescence Free, White Flange	**6213HU**	Electronic 4-pin	120V - 277V	**(2) 13W Quad Tube**
8052CLP	Clear Iridescence Free, Polished Flange	**6213HDU3**	PowerSpec® Dimming 4-pin	120V - 277V	2-Pin and 4-Pin
8052CL	Clear Iridescence Free, Molded Trim Ring	**6213HM120**	Magnetic 2-pin	120V	
8052 ☐	Add suffix. See options for other finishes.	**6213HM277**	Magnetic 2-pin	277V	

Features

1. **Reflector:** 16 ga. Alzak® aluminum, 55° visual cutoff to lamp and lamp image, wide distribution. Iridescence Free finish. Self-flanged or flangeless with molded white trim ring (field paintable).
2. **Socket Cup:** Die-cast zinc cup effectively dissipates heat and positions lamp holder. Snaps onto reflector neck to assure consistently correct optical alignment without tools.
3. **Mounting Frame:** Die-cast aluminum for dry or plaster ceilings.
4. **Retaining Springs:** Precision-tooled steel friction springs secure reflector to mounting frame for quick, tool-less installation.
5. **Mounting Brackets:** 16 ga. steel. Adjust from inside of fixture. Use 3/4" or 1 1/2" lathing channel, 1/2" EMT, or optional mounting bars.
6. **Ballast/J-Box:** Outboard mounted to reduce heat transfer and maintain lamp efficacy and life. Service from below without tools.

Electrical

Note: For ballast electrical data and latest lamp/ballast compatibility refer to **"Ballast"** specification sheet for complete electrical data.

UL listed for through branch circuit wiring with max of (8) No. 12 AWG, 90° C supply conductors.

Options and Accessories

Comfort Clear™ Finishes[1]		**Other Finishes**	
Clear	**CCL**	White	**WH**
Diffuse	**CCD**	Mulitgroove	**MG**
Champagne Bronze	**CCZ**		

[1]Specify desired flange
W White, **P** Polished
Blank - Molded Ring

Options and Accessories (continued)

Emergency	Add suffix **EM***
Chicago Plenum	Add suffix **LC**
Existing/Thk. Ceiling	**FA EC6***
Emergency Ltg. Kit	**FA EM3E*** (4 pin)
	FA EM4E* (4 pin)
	FA EM1T* (2 pin)
Fuse (Slow Blow)	Add Suffix **F**

*See Spec. Sheets: FAEC, FAEM

Mounting Bars & Accessories; see Specification Sheet MBA.
Sloped Ceiling Adapters; see Specification Sheet SCA.

Labels

UL listed for damp locations, I.B.E.W.

Alzak® is a registered trademark of ALCOA.
US Patent Pending

Job Information **Type:**

Job Name:

Cat. No.:

Lamp(s):

Notes:

631 Airport Road, Fall River, MA 02720 • (508) 679-8131 • Fax (508) 674-4710
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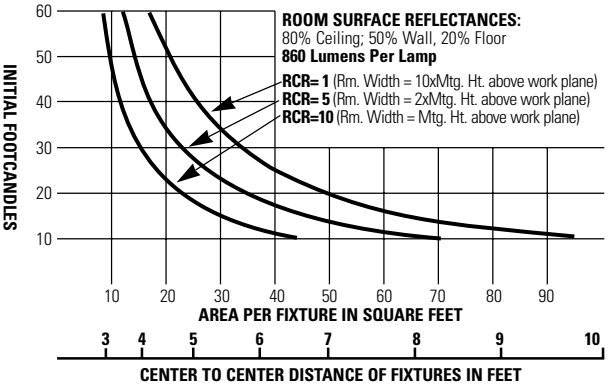
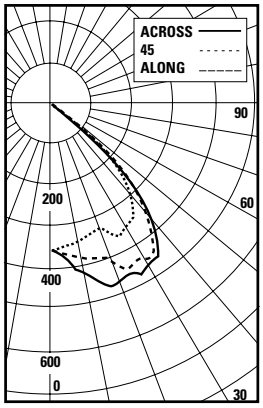
13W
Quick Calculator


INITIAL FOOTCANDLES
60
50
40
30
20
10
ROOM SURFACE REFLECTANCES:
80% Ceiling; 50% Wall, 20% Floor
860 Lumens Per Lamp
RCR= 1 (Rm. Width = 10xMtg. Ht. above work plane)
RCR= 5 (Rm. Width = 2xMtg. Ht. above work plane)
RCR=10 (Rm. Width = Mtg. Ht. above work plane)
10 20 30 40 50 60 70 80 90
AREA PER FIXTURE IN SQUARE FEET
3 4 5 6 7 8 9 10
CENTER TO CENTER DISTANCE OF FIXTURES IN FEET

This quick calculator chart determines the number and spacing of 2 lt.-13W Quad Tube units with clear or clear incandescent free reflector, for any level of illumination.

Spacing Ratio = 1.6

Certified Test Report Number: LSI 9474
COMPUTED BY: LSI PROGRAM "TEST-LITE"
PREPARED FOR: LIGHTOLIER INC.
APERTURE: 7 3/8"
REFLECTOR: SPECULAR CLEAR, OPEN BOTTOM
LAMPS: TWO OSRAM DOUBLE DULUX 13W/41 QUAD TUBES RATED AT 860 LUMINES.



****EFFICIENCY = 54.1%****

DATE: MAY 22, 1990

CANDELPOWER SUMMARY

Angle	Along	22.5	45	67.5	Across	Lumens
0	418	418	418	418	418	
5	406	412	422	439	442	41
10	400	410	441	471	490	
15	388	414	455	497	526	129
20	378	427	470	493	542	
25	411	442	514	499	532	222
30	409	461	509	512	535	
35	397	437	500	515	524	290
40	347	369	415	430	446	
45	267	279	291	307	324	214
50	114	113	111	121	134	
55	18	11	13	13	17	33
60	4	3	4	3	4	
65	3	1	2	2	3	2
70	1	0	1	0	2	
75	1	0	0	0	1	0
80	0	0	0	0	0	
85	0	0	0	0	0	0
90	0	0	0	0	0	

ZONAL LUMENS AND PERCENTAGES

Zone	Lumens	% Lamp	% Luminaire
0–30	391	22.74	42.01
0–40	681	39.60	73.16
0–60	928	53.98	99.73
0–90	930	54.13	100.00
40–90	249	14.53	26.84
60–90	2	.15	.27
90–180	0	.00	.00
0–180	930	54.13	100.00

TESTED ACCORDING TO IES PROCEDURES. TEST DISTANCE = 7.9 METERS (26.0 Ft.)

Coefficients Of Utilization

% Effective Ceiling Cavity Reflectance

	80			70			50			30			10			0
	%Wall Reflectance															
ROOM CAVITY RATIO	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
1	.60	.58	.57	.59	.57	.56	.56	.55	.54	.54	.54	.53	.52	.52	.51	.50
2	.55	.53	.51	.54	.52	.51	.53	.51	.49	.51	.50	.48	.50	.48	.47	.46
3	.51	.48	.46	.50	.48	.46	.49	.47	.45	.47	.46	.44	.46	.45	.43	.42
4	.47	.44	.42	.47	.44	.41	.45	.43	.41	.44	.42	.40	.43	.41	.40	.39
5	.43	.40	.37	.43	.40	.37	.42	.39	.37	.41	.38	.37	.40	.38	.36	.35
6	.40	.36	.34	.39	.36	.34	.39	.36	.33	.38	.35	.33	.37	.36	.33	.32
7	.36	.33	.30	.36	.33	.30	.35	.32	.30	.35	.32	.30	.34	.32	.30	.29
8	.33	.30	.27	.33	.29	.27	.32	.29	.27	.32	.29	.27	.31	.28	.26	.26
9	.30	.27	.24	.30	.26	.24	.29	.26	.24	.29	.26	.24	.28	.26	.24	.23
10	.27	.24	.21	.27	.24	.21	.27	.23	.21	.26	.23	.21	.26	.23	.21	.20

20% FLOOR CAVITY REFLECTANCE

For Units with Clear or Clear Irridescence Free reflector, multiply C.U.'s by 1.0.

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